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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number		10/590,456		
Filing Date		October 31, 2006		
First Named Inventor	Marc	cus Brian Mayhall FENTON		
Art Unit		3752		
Examiner Name	S. Ce	ernock		
Attorney Docket Number		C049105/0225761		

U.S.PATENTS										
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear				
	1.	2,083,801		6/15/1937	Eddy					
	2.	2,396,290		3/1/1949	Schwarz					
	3.	2,971,325		2/14/1961	Gongwer					
	4.	3,265,027		8/9/1966	Brown					
	5.	3,304,564		10/4/1965	Green et al.					
	6.	3,402,555		9/24/1968	Piper					
	7.	3,411,301		11/19/1968	Olsen					
	8.	3,456,871		7/22/1969	Gosling					
	9.	3,493,191		2/3/1970	Hughes					
	10.	3,529,320		9/22/1970	Kerns et al.					
	11.	3,664,768		5/23/1972	Mays et al.					
	12.	3,799,195		3/26/1974	Hermans					
	13.	3,889,623		6/17/1975	Arnold					
	14.	3,984,504		10/5/1976	Pick					
	15.	4,014,961		3/29/1977	Popov					
	16.	4,072,470		2/7/1978	Tsuto et al.					
	17.	4,101,246		7/18/1978	Erickson					
	18.	4,157,304		6/5/1979	Molvar					
	19.	4,192,465		3/11/1980	Hughes	t _i				
	20.	4,201,596		5/6/1980	Church et al.					
	21.	4,212,168		7/15/1980	Bouchard et al.					
	22.	4,279,663		7/21/1981	Burroughs et al.					
	23.	4,425,433		1/10/1984	Neves					
	24.	4,461,648		7/24/1984	Foody					
	25.	4,487,553		12/11/1984	Nagata					
	26.	4,659,521		4/21/1987	Alleman					
	27.	4,718,870		1/12/1988	Watts					

Application Number		10/590,456	
Filing Date		October 31, 2006	
First Named Inventor Mare		cus Brian Mayhall FENTON	
Art Unit		3752	
Examiner Name	S. Ce	ernock	
Attorney Docket Number		C049105/02257961	

				0.5	PATENTS	Doggo Columns Lines where
xaminer nitial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	28.	4,809,911		3/7/1989	Ryan	
	29.	4,836,451		6/6/1989	Herrick et al.	
	30.	4,915,300		4/10/1990	Ryan	
	31.	5,061,406		10/29/1991	Cheng	
	32.	5,138,937		8/18/1992	Zietlow	
	33.	5,171,090		12/15/1992	Wiemers	
	34.	5,205,648		4/27/1993	Fissenko	
	35.	5,240,724		8/31/1993	Otto et al.	
	36.	5,249,514		10/5/1993	Otto et al.	
	37.	5,252,298		10/12/1993	Jones	
	38.	5,275,486		1/4/1994	Fissenko	
	39.	5,338,113		8/16/1994	Fissenko	
	40.	5,344,345		9/6/1994	Nagata	
	41.	5,366,288		11/22/1994	Dahllof et al.	
	42.	5,544,961		8/13/1996	Fuks et al.	
	43.	5,598,700		2/4/1997	Varshay et al.	
***************************************	44.	5,661,968		9/2/1997	Gabriel	
	45.	5,692,371		12/2/1997	Varshay et al.	
W	46.	5,738,762		4/14/1998	Ohsol	
	47.	5,857,773		1/12/1999	Tammelin	
	48.	5,860,598		1/19/1999	Cruz	
	49.	5,863,128		1/26/1999	Mazzei	
	50.	6,029,911		2/29/2000	Watanabe et al.	
	51.	6,098,896		8/8/2000	Haruch	
	52.	6,110,356		8/29/2000	Hedrick et al.	
	53.	6,200,486	-	3/13/2001	Chahine et al.	
	54.	6,299,343		10/9/2001	Pekerman	-
	55.	6,308,740		10/30/2001	Smith et al.	
	56.	6,405,944		6/18/2002	Benalikhoudja	
	57.	6,456,871		9/24/2002	Hsu et al.	
	58.	6,502,979		1/7/2003	Kozyuk	

Application Number		10/590,456	
Filing Date		October 31, 2006	
First Named Inventor Mar		rcus Brian Mayhall FENTON	
Art Unit		3752	
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	U.S.PATENTS										
Examiner Initial*	Cite Patent Number		Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear					
	59.	6,503,461		1/7/2003	Burgard et al.						
	60.	6,523,991		2/25/2003	Maklad						
	61.	6,623,154		9/23/2003	Garcia						
	62.	6,662,549		12/16/2003	Burns						
	63.	6,802,638		10/12/2004	Allen						
	64.	6,830,368		12/14/2004	Fukano						
	65.	7,029,165		4/18/2006	Allen						
	66.	7,080,793		7/25/2006	Borisov et al.						
	67.	7,111,975		9/26/2006	Fenton et al.						
	68.	7,207,712		4/24/2007	Kozyuk						
*****	69.	7,667,082		2/23/2010	Kozyuk						

	U.S.PATENT APPLICATION PUBLICATIONS										
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear					
	70.	2002/0162518 (6,595,163)		11/7/2002	Dumaz et al.						
	71.	2003/0147301 (6,659,635)		8/7/2003	Ekholm						
	72.	2004/0065589 (6,989,091)		4/8/2004	Jorgensen						
	73.	2004/0141410 (7,111,975)		7/22/2004	Fenton et al.						
	74.	2004/0188104 (7,080,793)		9/30/2004	Borisov et al.						
	75.	2004/0222317 (7,036,753)		11/11/2004	Huffman						
	76.	2005/0011355 (6,981,997)		1/20/2005	Williams et al.						
	77.	2005/0266539		12/1/2005	Hochberg et al.						
	78.	2006/0102351 (7,559,370)		5/18/2006	Crabtree et al.						
	79.	2006/0102749		5/18/2006	Crabtree et al.						

Application Number	2.00	10/590,456	
Filing Date		October 31, 2006	
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			U.S.PAT	ENT APPLICA	TION PUBLICATIONS	
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	80.	2007/0000700		1/4/2007	Switzer	
	81.	2007/0095946		5/3/2007	Ryan	
	82.	2007/0128095 (7,621,512)		6/7/2007	Brockmann et al.	
	83.	2008/0230632		9/25/2008	Fenton et al.	
	84.	2008/0310970		12/18/2008	Fenton et al.	
	85.	2009/0052275		2/26/2009	Jansson	
	86.	2009/0072041		3/19/2009	Hashiba	
	87.	2009/0240088		9/24/2009	Fenton et al.	
· · · · · · · · · · · · · · · · · · ·	88.	2009/0314500		12/24/2009	Fenton et al.	
	89.	2010/0085883		4/8/2010	Zaiser	
	90.	2010/0129888		5/27/2010	Thorup et al.	
	91.	2010/0230119		9/16/2010	Worthy	
	92.	2010/0233769		9/16/2010	Heathcote et al.	
	93.	2010/0301129		12/2/2010	Fenton et al.	

			FO	REIGN F	PATENT DOC	UMENTS		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1.	CA 833980	CA		2/10/1970	Schutte & Koerting Company		
:	2.	CN 2356760	CN		1/5/2000	Zhang Shushen		
	3.	DE 3316233	EP		11/8/1984	Schladofsky Leopold Dipl Ing. F±		
	4.	EP 0362052	EP		10//30/	Societe Nationale D'etude et de Construction de Moteurs D'aviation (S.N.E.C.M.A)		
7411. 77. 1	5.	EP 0471321	EP		11/22/1995	April Dynamics Ind.		
	6.	EP 0889244	EP		1/7/1999	USF Ltd.		
	7.	EP 1034029	EP		3/12/2003	Novafluid Innovative Stroemung		
	8.	EP 1421996	EP		5/26/2004	Tokyo Gas Company Limited		
	9.	EP 1549856	EP		6/13/2007	Pursuit Dynamics PLC		

Application Number		10/590,456		
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Art Unit		3752		
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FOREIGN PATENT DOCUMENTS									
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	Т ⁵	
	10.	EP 2070881	EP		6/17/2009	APV Systems Ltd.			
	11.	EP 282061	EP		3/10/1988	Helios Research Corp.			
	12.	FR 1354965	FR		3/13/1964	S.E.M.I.A.C.			
	13.	FR 474 904	FR		3/26/1915	A. V. Lipinski			
	14.	GB 0223572.9	GB		10/11/2002	Pursuit Dynamics PLC			
	15.	GB 0227053.6	GB		11/20/2002	Pursuit Dynamics PLC			
	16.	GB 0301236.6	GB		6/20/2003	Pursuit Dynamics PLC			
	17.	GB 0404230.5	GB		2/26/2004	Pursuit Dynamics PLC			
	18.	GB 0405363.3	GB		3/10/2004	Pursuit Dynamics PLC			
	19.	GB 0406690.8	GB		3/24/2004	Pursuit Dynamics PLC			
	20.	GB 0407090.0	GB		3/30/2004	Pursuit Dynamics PLC			
	21.	GB 0409620.2	GB		4/30/2004	Pursuit Dynamics PLC			
	22.	GB 0410518.5	GB		5/11/2004	Pursuit Dynamics PLC			
	23.	GB 0416914.0	GB		7/29/2004	Pursuit Dynamics PLC			
	24.	GB 0416915.7	GB		7/29/2004	Pursuit Dynamics PLC			
	25.	GB 0417961.0	GB		8/12/2004	Pursuit Dynamics PLC			
	26.	GB 0428343.8	GB		12/24/2004	Pursuit Dynamics PLC			
	27.	GB 0500580.6	GB		1/12/2005	Pursuit Dynamics PLC			
	28.	GB 0500581.4	GB		1/12/2005	Pursuit Dynamics PLC			
	29.	GB 0618196.0	GB		9/15/2006	Pursuit Dynamics PLC			
	30.	GB 0708482.5	GB		5/2/2007	Pursuit Dynamics PLC			
	31.	GB 0710659.4	GB		6/5/2007	Pursuit Dynamics PLC			
	32.	GB 0710663.6	GB		6/4/2007	Pursuit Dynamics PLC			
	33.	GB 0721995.9	GB		11/9/2007	Pursuit Dynamics PLC			
	34.	GB 0803959.6	GB		3/3/2008	Pursuit Dynamics PLC		1	
	35.	GB 0805791.1	GB		3/31/2008	Pursuit Dynamics PLC			
	36.	GB 0806182.2	GB		4/4/2008	Pursuit Dynamics PLC			
	37.	GB 0810155.2	GB		6/4/2008	Pursuit Dynamics PLC		T	
	38.	GB 0818362.6	GB		10/8/2008	Pursuit Dynamics PLC		1	
	39.	GB 1028211	GB		5/4/1966	Escher Wyss GmbH		T	

Application Number		10/590,456	
Filing Date		October 31, 2006	
First Named Inventor	Marc	us Brian Mayhall FENTON	***
Art Unit	, . .	3752	
Examiner Name	S. Ce	ernock	
Attorney Docket Number		C049105/02257961	

			FOF	REIGN F	PATENT DOC	UMENTS		
Examiner nitial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T⁵
	40.	GB 1205776	GB		9/16/1970	Parkson Ind Equipment Company		
	41.	GB 1227444	GB		4/7/1971	Condenseurs Delas		
	42.	GB 2207952	GB		7/15/1988	Permutit Co. Ltd.		
	43.	GB 2242370	GB		11/3/1993	Ellam Donovan Graham		
	44.	GB 2313410	GB		11/26/1997	lan Stephenson		
	45.	GB 2384027	GB		1/11/2002	Transvac Systems Ltd.		
	46.	GB 995660	GB		6/23/1965	Escher Wyss GmbH		
	47.	JP 03-260405	JP		11/20/1991	Mitsui Eng & Shipbuild Co Ltd		
	48.	JP 10-141299	JP		5/26/1998	Calsonic Corp.		
	49.	JP 10-226503	JP		8/25/1998	Ishikawajima Harima Heavy Ind		
	50.	JP 2001-354319	JP		12/25/2001	Ogawa Jidosha:KK		
	51.	JP 2003-515702	JP		5/7/2003			
	52.	JP 2004-184000	JP		6/30/1992	Mitsui Eng & Shipbuild Co. Ltd.		
	53.	NL 7409053	NL		1/13/1975	Envirotech Corp.		
	54.	PCT/GB2005/000708 (WO 05/082545)	wo		2/25/2005	Pursuit Dynamics PLC		
	55.	PCT/GB2005/000720 (WO 2005/082546)	WO		2/25/2005	Pursuit Dynamics PLC		
	56.	PCT/GB2007/003492 (WO 08/032088)	wo		9/14/2007	Pursuit Dynamics PLC		
	57.	PCT/GB2008/01883 (WO 08/149073)	wo		6/3/2008	Pursuit Dynamics PLC		
	58.	PCT/GB2008/051042 (WO 2009/060242)	wo		11/7/2008	Pursuit Dynamics PLC		
	59.	PCT/GB2009/050626 (WO 2009/147443)	wo		6/4/2009	Pursuit Dynamics PLC		
	60.	PCT/RU00/000118 (WO 00/061948)	wo		4/7/2000	Innovatsionnaya Kompaniya Fisonic		
	61.	PCT/RU97/000299 (WO 98/014737)	wo		9/25/1998	Fisenko		
	62.	PCT/US08/012571	wo		11/7/2008	Pursuit Dynamics PLC		T

Application Number		10/590,456	
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			FOF	REIGN F	PATENT DOC	UMENTS		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
		(WO 2009/061471)						
	63.	PCT/US98/005275 (WO 98/056495)	wo		3/18/1998	Fisenko		
	64.	RU 2040322	RU		5/15/1992	Belykh Viktor Sergeevich		
	65.	RU 2142580	RU		12/10/1999	Fisenko		
	66.	RU 2152465	RU		7/10/2000	Kazakov		
	67.	WO 01/36105 (PCt/JP00/008010)	wo		5/25/2001	Aura Tec Co., Ltd.		
	68.	WO 03/072952 (PCT/GB03/00809)	wo		9/4/2003	Pursuit Dynamics PLC		
	69.	WO 2000/009236 (PCT/AT99/000199)	wo		2/24/2000	Novafluid- Innovative Strömungs et al.		
	70.	WO 2000/071235 (PCT/GB00/1755)	wo		1/30/2000	Stem Drive Ltd. et al.		
	71.	WO 2001/94197 (PCT/AU01/00677)	wo		12/13/2001	Pursuit Dynamics LLC		
	72.	WO 2004/033920 (PCT/GB03/004400)	wo		4/24/2004	Pursuit Dynamics LLC		
	73.	WO 2004/038031 (PCT/EP03/011602)	wo		6/5/2004	Gea Wiegand GmbH et al.		
	74.	WO 2004/057196 (PCT/GB03/005552)	wo		7/8/2004	Pursuit Dynamics PLC		
	75.	WO 2005/123263 (PCT/US2005/019713)	wo		12/29/2005	Kiddefenwal, Inc.		
	76.	WO 2006/010949 (PCT/GB05/002999)	wo		2/2/2006	Pursuit Dynamics PLC		
	77.	WO 2006/024242 (PCT/CZ04/000054)	wo		3/9/2006	Biotech Progress A.S. et al.		
	78.	WO 2006/034590 (PCT/CA05/001493)	wo		4/6/2006	logen Energy Corp. et al.		
	79.	WO 2006/132557 (PCT/PL06/000037)	wo		12/14/2006	Telesto SP		
	80.	WO 2007/037752 (PCT/SE06/050350)	wo		4/5/2007	GLV Finance Hungary Kft e al.	t	
	81.	WO 2008/062218 (PCT/GB07/004506)	wo		5/29/2008	Pursuit Dynamics PLC		

Application Number		10/590,456
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First Named Inventor	Marc	cus Brian Mayhall FENTON
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			FOF	REIGN F	PATENT DOC	UMENTS		
	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	82.	WO 2008/135775 (PCT/GB08/050210)	wo		11/13/2008	Pursuit Dynamics PLC		
	83.	WO 2008/135783 (PCT/GB08/050319)	wo		11/13/2008	Pursuit Dynamics PLC		
	84.	WO 2009/060240 (PCT/GB2008/051040)	wo		11/7/2008	Pursuit Dynamics PLC		
	85.	WO 2009/147443 (PCT/GB2009/050626)	wo		12/10/2009	Pursuit Dynamics PLC		
	86.	WO 2010/003090 (PCT/US09/049568)	wo		1/7/2010	Hydro-Thermal Corp. et al.		
	87.	WO 2010/041080 (PCT/GB09/051347)	wo		4/15/2010	Pursuit Dynamics PLC		
	88.	WO 2010/049815 (PCT/IB09/007443)	wo		5/6/2010	Pursuit Dynamics PLC		
	89.	WO 89/07204 (PCT/DK1989/000020)	WO		8/10/1989	Dems Engineering et al.		
	90.	WO 89/10184 (PCT/SU1988/000099)	wo		11/2/1989	Inzhenerny T Sentr "Transzvuk" et al.		
	91.	WO 94/08724 (PCT/AU93/00520)	wo		4/28/1994	A. P. Casey		
lf you wish	to add	additional Foreign Patent	Document	citation	information p	lease click the Add button		
			NON-PA	TENT L	ITERATURE	DOCUMENTS		
Examiner Initial*	Cite No	Include name of the auth (book, magazine, journal publisher, city and/or cou	, serial, syı	mposiun	n, catalog, etc	of the article (when appropriat), date, pages(s), volume-issu	e), title of the item e number(s),	T ⁵
	1.	PATENT ABSTRACTS (184000 A (MITSUI ENG				1325), 15 October 1992 (1992 e 1992 (1992-06-30)	2-10-15) & JP 04	
	2.	PATENT ABSTRACTS ((Ogawa Jidosha:KK), 25				igust 2002 (2002-08-04) & JP	2001 354319 A	
	3.	Final Scientific Report, "I 04GO14327	New Reger	nerative	Cycle for Vap	or Compression Refrigeration	", DE-FG36-	
	4.	Cincotta, "From the Lab Magazine, July 1, 2008	to Producti	on: Dire	ect Steam Inje	ction Heating of Fibrous Slurri	es", Biomass	
· · · · · ·	5.	Khanal, et al., "Ultrasoun Bioengineering, Vol. 98,				rom Corn in Ethanol Plants", E , 2007	Biotechnology and	
	6.	Hagen, "Energy econom (IFIS), Frankfurt-Main, D		uous ste	eaming and m	ashing, International Food Inf	ormation Service	

Application Number		10/590,456		
Filing Date		October 31, 2006		
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FOREIGN PATENT DOCUMENTS								
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	1 4	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	
	7.	Kim, Andrew, Overvie Construction, NRCC-4 Japan, July 17-19, 20	15690, Invited	Progress Keynote	in Fire Supp Lecture of t	ression Technology, Institu he 2 nd NRIFD Symposium,	te for Research in Proceedings, Tokyo,	
	8.	Patent Abstracts of Ja	pan, JP 03-2	60405, p	ublished Nov	ember 20, 1991		
	9.	Machine English lange	rage translati	on by FF	20 of FR 135	4065		

Application Number		10/590,456	
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First Named Inventor	Marc	us Brian Mayhall FENTON	
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Examiner Name	S. Ce	ernock	
Attorney Docket Number		C049105/02257961	

EXAMINER SIGNATURE						
Examiner Signature		Date Considered				
*EXAMINER: Initial if re citation if not in conform	ference considered, whether or not citation is in c ance and not considered. Include copy of this for	onformance with MPEP 609. Draw line through a m with next communication to applicant.				

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